CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-01/235q/Cube/2016-17

08.02.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to main and cross roads at Reddy layout Ravindranagara Air force compound in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	AEE/SSD/PR/QC/45/2016-17 Dated: 02.01.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	08.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2017	08.02.2017	8.297	485.3	21.57
2	11.01.2017	08.02.2017	8.356	496.8	22.08
3	11.01.2017	08.02.2017	8.412	511.7	22.74

*Information is furnished by the Customer/Representative.

Note:

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

AE-12

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VIDYARANI P.K.
Technical Manager

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಪದ್ಮನಾಭನಗರ, ಬೆಂಗಳೂರು

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
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* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	08.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2017	08.02.2017	8.258	503.6	22.38
2	11.01.2017	08.02.2017	8.374	517.1	22.98
3	11.01.2017	08.02.2017	8.496	529.8	23.55

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AC-12

VIDYARANI P.K.
Technical Manager

ಸಹಾಯಕ ಕಾರ್ಯ... ಇಂತಿಂತಿರುವ
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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Job No.: CTCE/BBMP/KRIDL/W.No.12/CSR-01/235q/Cube/2016-17

10.02.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to main and cross roads at Reddy layout Ravindranagara Air force compound in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	AEE/SSD/PR/QC/45/2016-17 Dated: 02.01.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	10.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.01.2017	10.02.2017	8.256	506.3	22.50
2	13.01.2017	10.02.2017	8.374	514.8	22.88
3	13.01.2017	10.02.2017	8.412	529.6	23.54

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* Reference	:	AEE/SSD/PR/QC/45/2016-17 Dated: 02.01.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	10.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.01.2017	10.02.2017	8.263	495.2	22.01
2	13.01.2017	10.02.2017	8.347	513.7	22.83
3	13.01.2017	10.02.2017	8.412	528.4	23.48

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17.02.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to main and cross roads at Reddy layout Ravindranagara Air force compound in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	AEE/SSD/PR/QC/45/2016-17 Dated: 02.01.2017
* Sample ID	:	Drain Covering Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	17.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.01.2017	17.02.2017	8.148	502.6	22.34
2	20.01.2017	17.02.2017	8.362	528.9	23.51
3	20.01.2017	17.02.2017	8.274	514.2	22.85

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* Reference	:	AEE/SSD/PR/QC/45/2016-17 Dated: 02.01.2017
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	20.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.01.2017	20.02.2017	8.297	485.3	21.57
2	23.01.2017	20.02.2017	8.356	496.8	22.08
3	23.01.2017	20.02.2017	8.412	511.7	22.74

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* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	20.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.01.2017	20.02.2017	8.153	494.2	21.96
2	23.01.2017	20.02.2017	8.274	525.6	23.36
3	23.01.2017	20.02.2017	8.363	512.3	22.77

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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	22.02.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.01.2017	22.02.2017	8.263	486.5	21.62
2	25.01.2017	22.02.2017	8.475	512.4	22.77
3	25.01.2017	22.02.2017	8.392	499.3	22.19

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